

DIY Reverse Osmosis Parts				
Component	Description	Part #	Supplier	Cost
Reverse Osmosis Membrane	4" x 40" 2,400 GPD FRP Wrapped AMI Commercial Brackish RO Membrane	M-B4040A	www.wateranywhere.com	\$240
Membrane Housing	AMI 4" x 40" Membrane Housing 304SS 300 psi 1/2" x 1/2" Ports Stainless Steel Pressure Vessel	PV4040SSAW-304	www.wateranywhere.com	\$130
Procon High Pressure Pump	Procon Brass 330 GPH Bolt-on Pump for 1 HP	114E330F11XX	www.wateranywhere.com	\$187
56C frame 1.5 hp Motor with 5/8in shaft	Mophorn 115V 230 V Electric Motor 56C Frame 1.5 hp Electric Motor 1725 RPM Single Phase Electric Motor 5/8 Inch Keyed Shaft	B07K8HGS4Z	www.amazon.com	\$196
Shaft coupler	Coupler for Procon Bolt-on 56C Pump/Motor	3045	www.wateranywhere.com	\$46
Motor to Procon Pump adapter	Adapter for 56C Frame Motor, Procon Series 1-5	1048-1C	www.wateranywhere.com	\$40
1/2 hp transfer pump (low pressure pump)	Trupow 1/2HP 1450GPH 115-Volt Cast Iron Portable Electric Power Utility Transfer Water Pump with Suction Strainer and Kits	Q1CZ-900C	www.amazon.com	\$106
high pressure hose	Flexible Metal Hose, 1/2 in. dia, 24 in.L	ZORO #: G4158327 MFR #: SM08-CA11-0240-11B-11B	www.zoro.com	\$39
House filter housing	Geekpure 10 Inch Whole House Big Blue Water Filter Housing 1-Inch Inlet/Outlet with Wrench and Bracket -4.5 x 10 Inch - Clear Color (Pack of 1)	BB-10T	www.amazon.com	\$46
Pressure gauge (2)	PureSec 2019 Glycerin/Liquid Filled RO Water Pressure Gauge/Meter with 1/4-inch Quick Fittings (0-2.5kg(MPa)/0-350psi)	JMC-PG	www.amazon.com	\$25
1 micron 10in X 4in filters (6 pack)	Aquaboon 6-Pack of 1 Micron 10" Big Blue Sediment Water Filter Replacement Cartridge Whole House Sediment Filtration Compatible with W15-PR, HD-950, WFHD13001B, GXWH35F, GXWH30C, HF45-10BLBK10PR		www.amazon.com	\$46
Various pipe fittings, valves, bolts, screws and hoses			hardware store	\$50
10 ft 1 1/2 in angle iron			steel supplier	\$25
10 ft 1 1/2 in unistrut			building supply store	\$20
4 ft 1 in square tubing			steel supplier	\$10
8 in by 12in 1/8 in steel plate			steel supplier	\$5
2- 6 in diam wheels for 5/8in. Axle			hardware store	\$20
3 ft 5/8 in steel rod (axle)			hardware store	\$10
Unistrut clamps (2 per RO cylinder) sized appropriate for size of membrane housing	4" Unistrut Pipe Clamp for Mounting 4" SS Membrane Housings	SKUYCUP418-OD	www.wateranywhere.com	\$26
Food safe O-ring lubricant	Molykote Valve Lubricant and Sealant 5.3 oz. Tube		www.amazon.com	\$16
				\$1,283